

Fig 1(a)

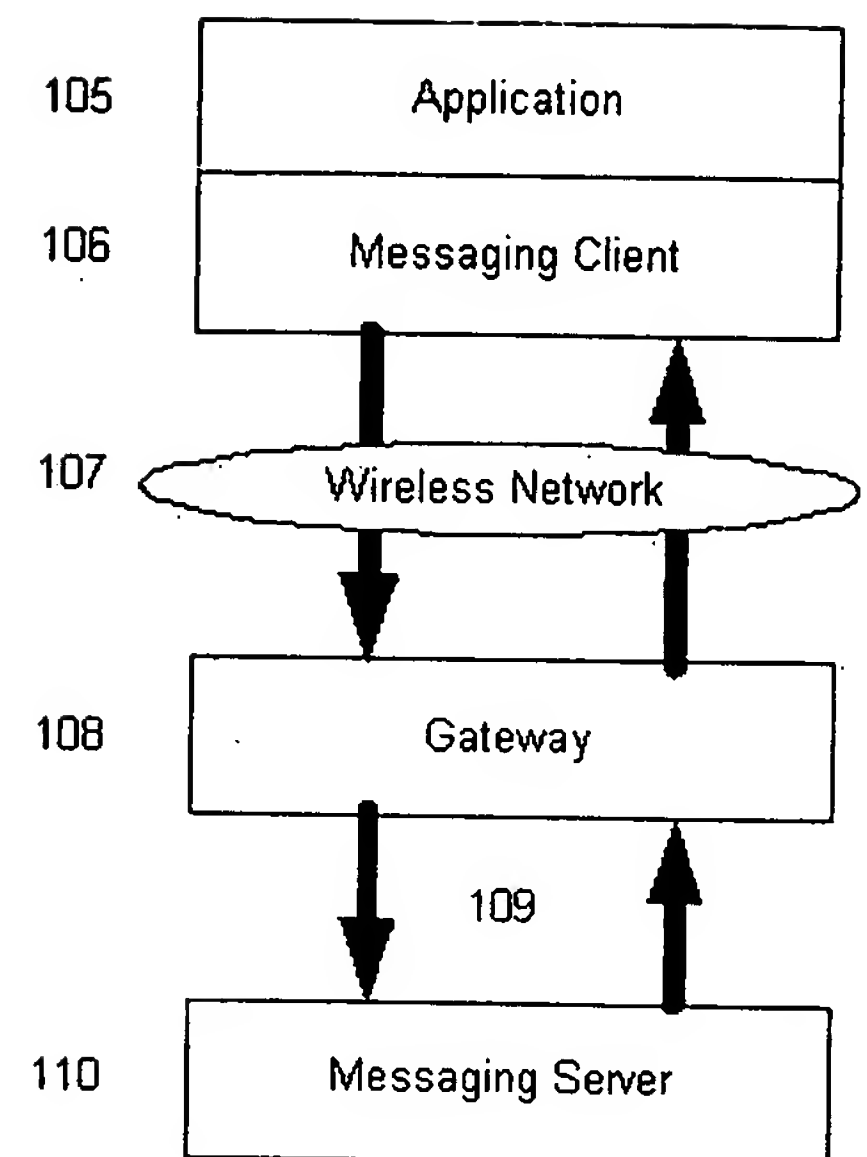


Fig 1(b)

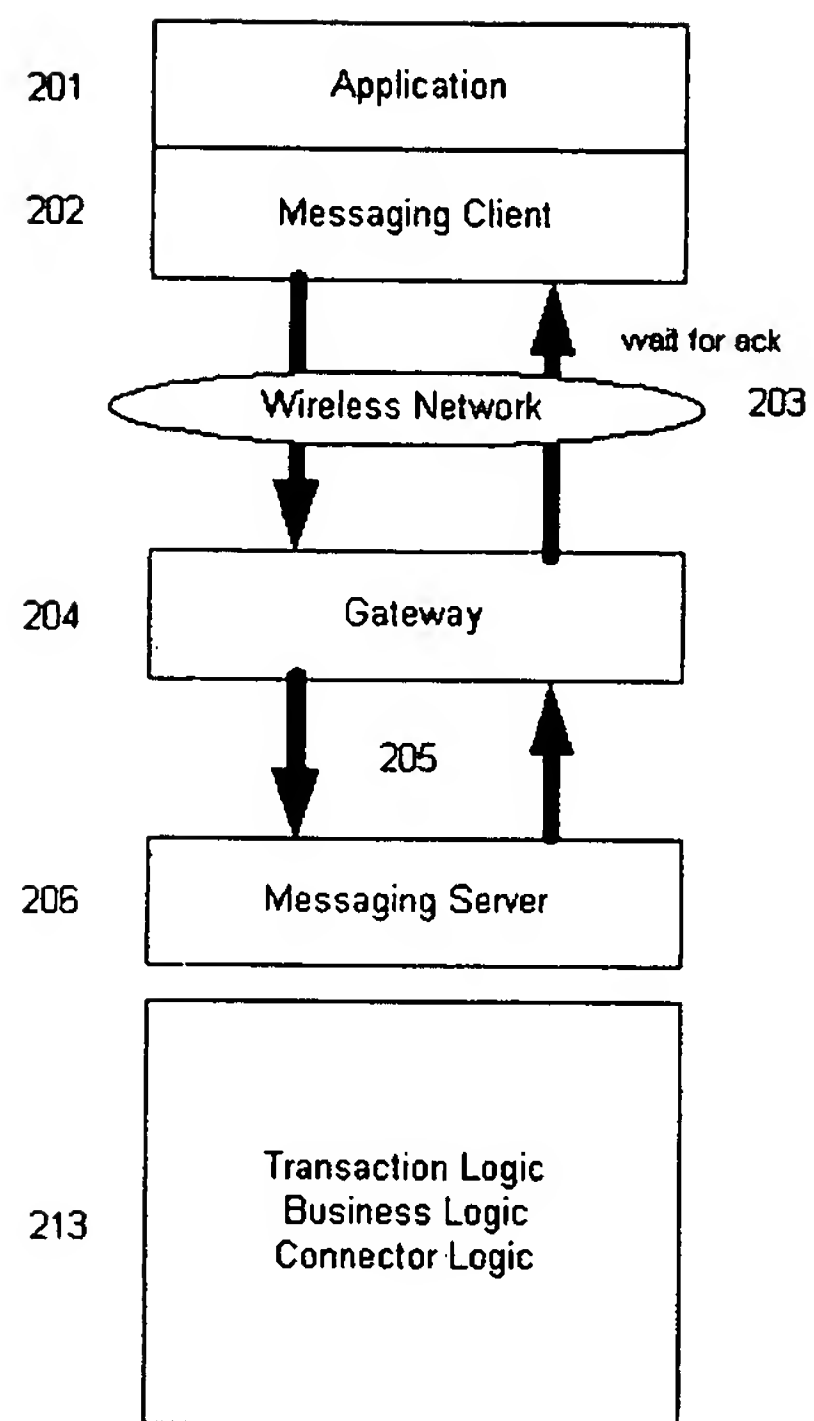


Fig 2(a)

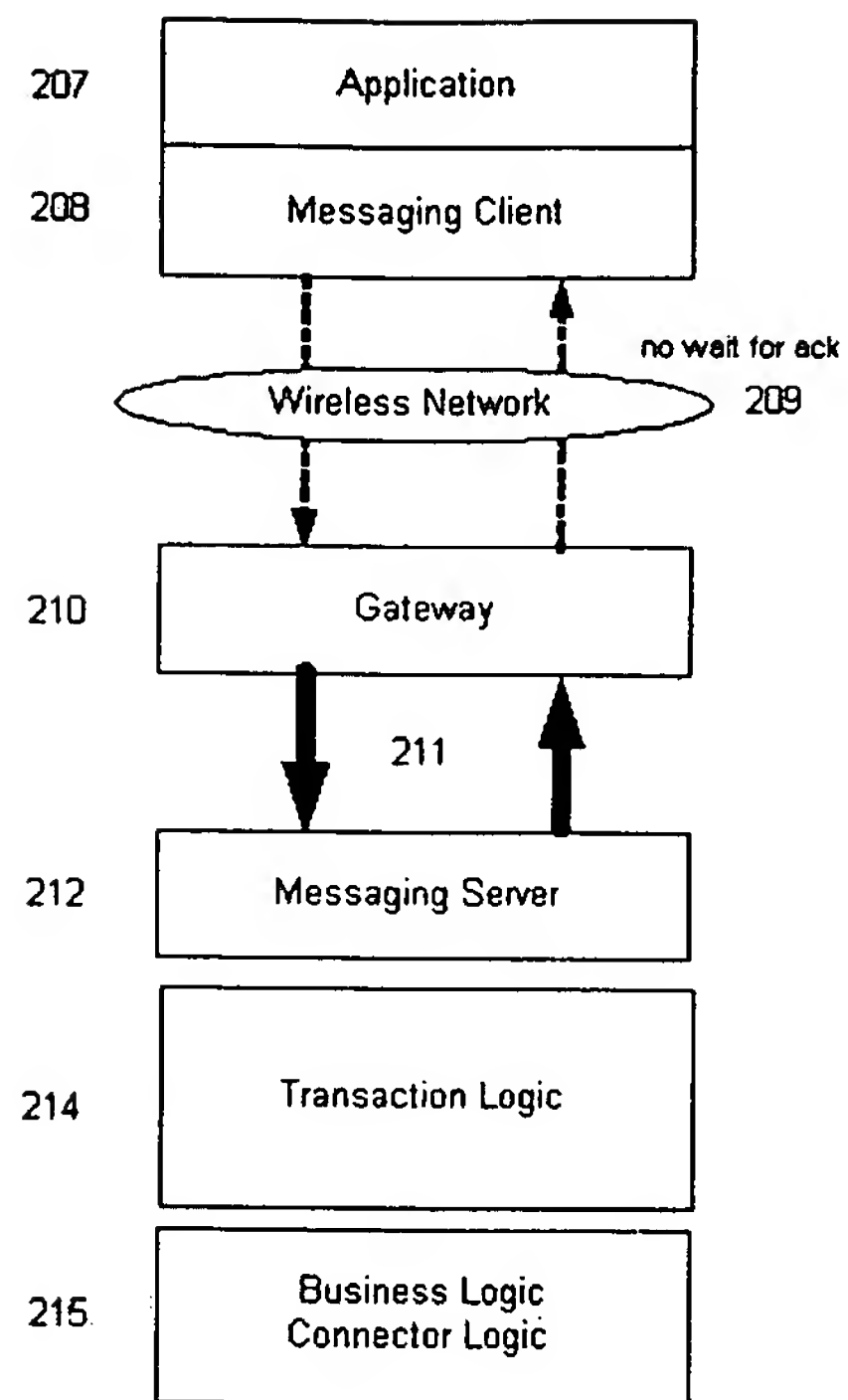


Fig 2(b)

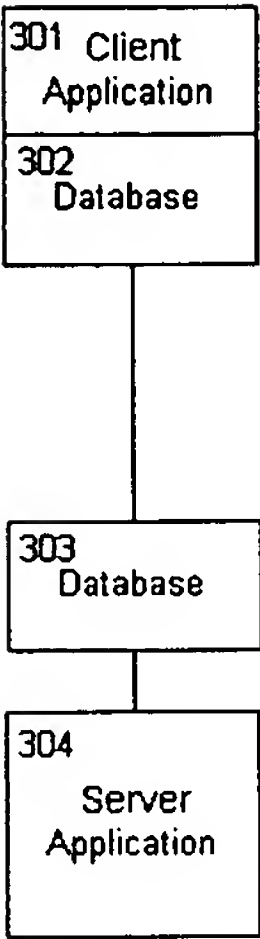


Fig 3(a)

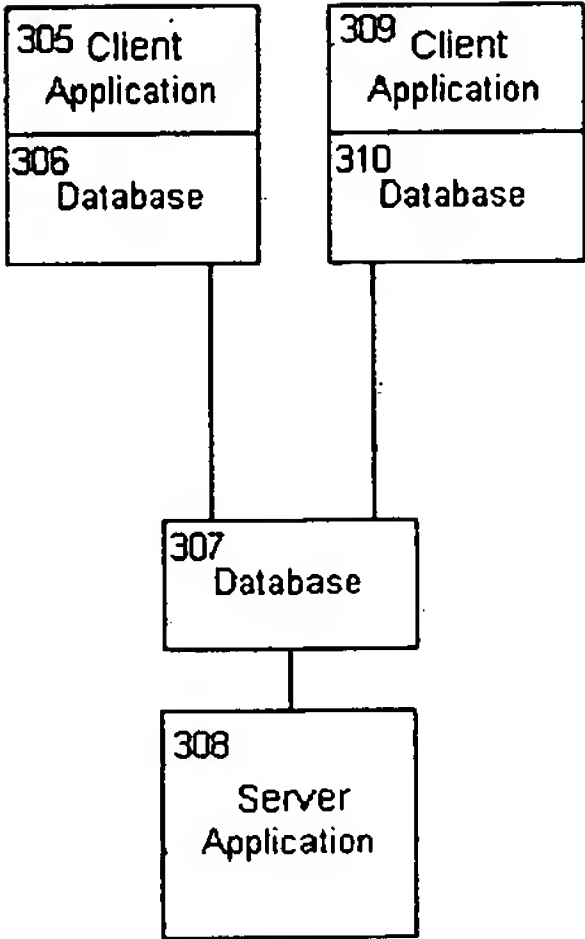


Fig 3(b)

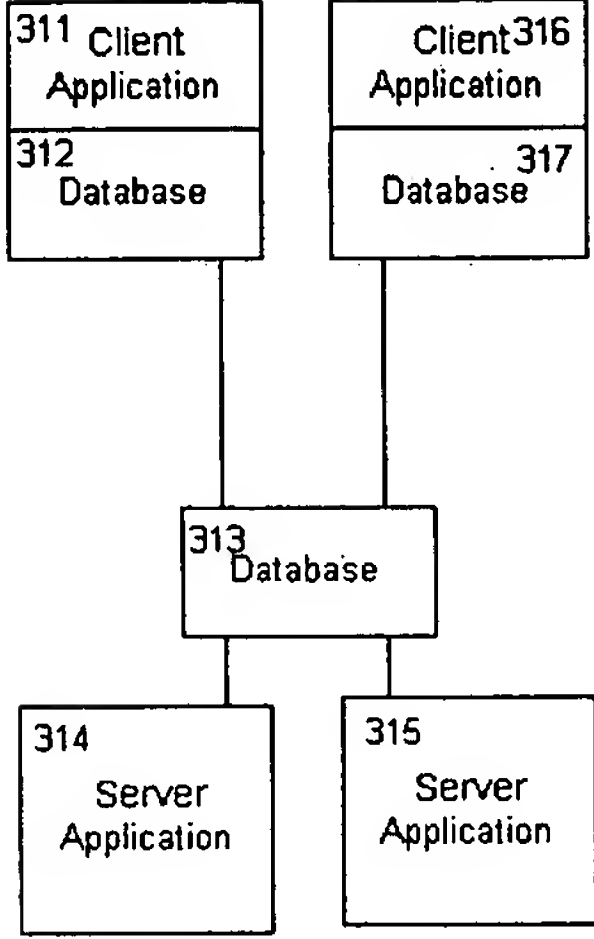


Fig 3(c)

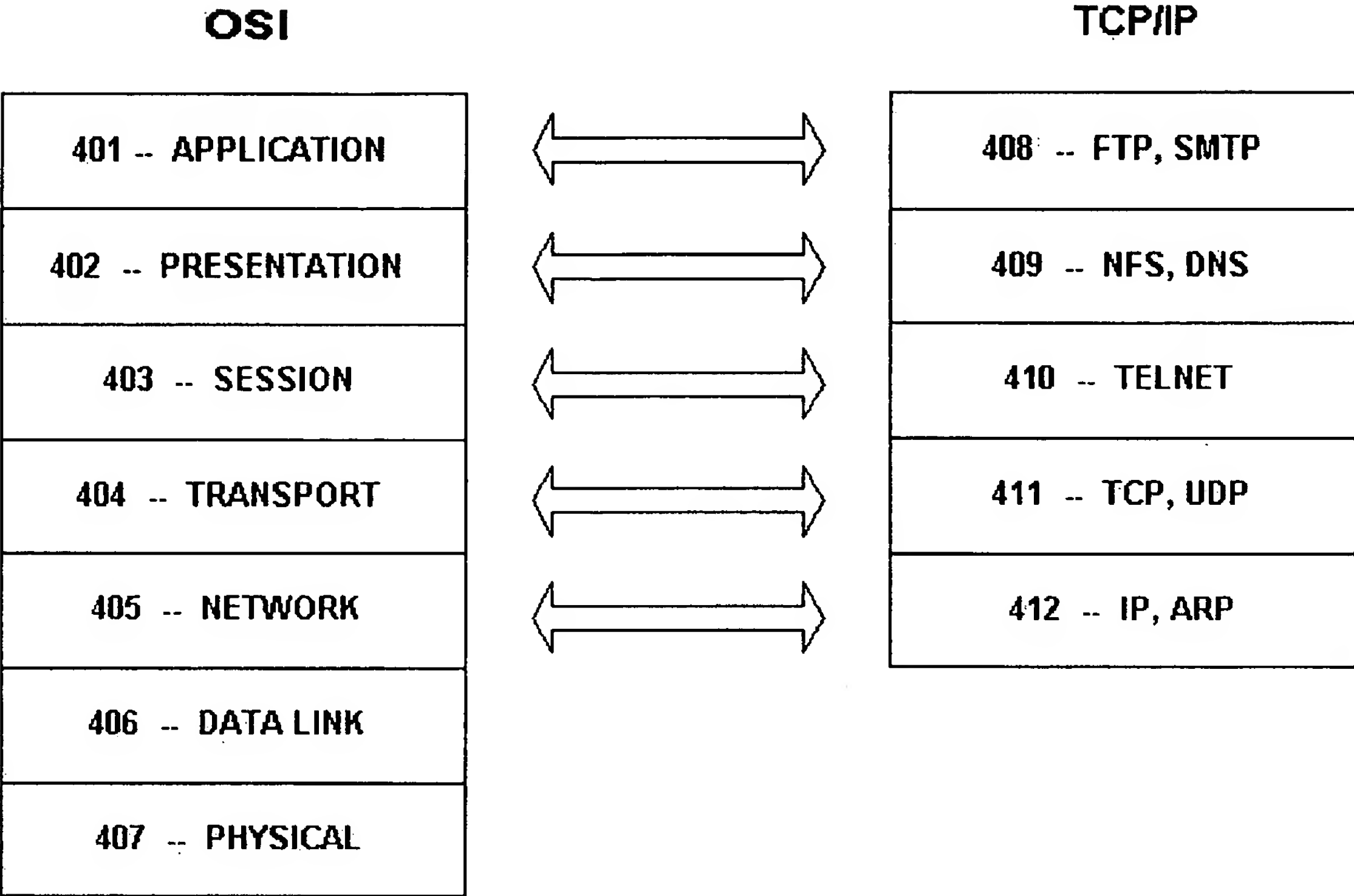


Fig 4(a)

Fig 4(b)

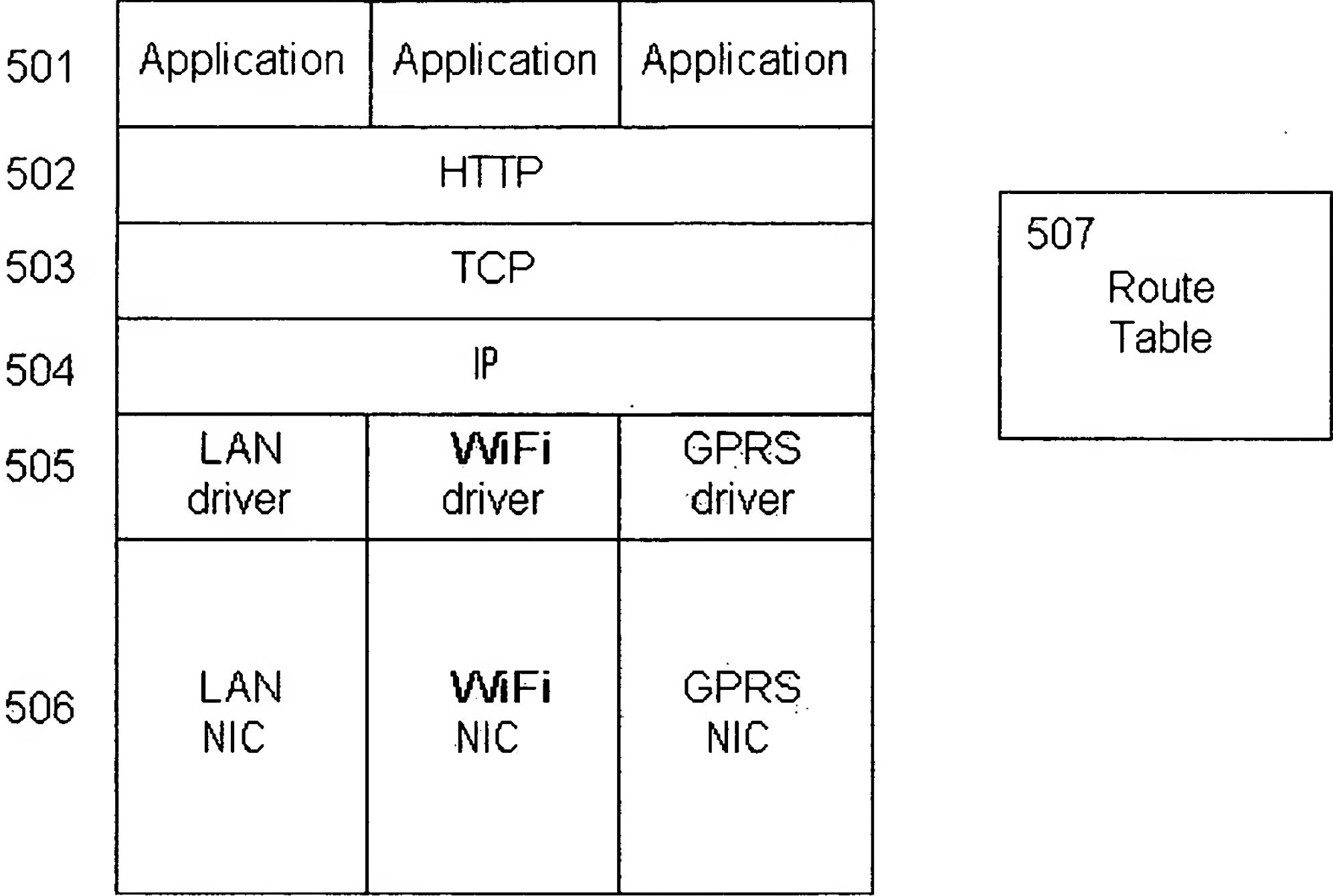


Fig 5

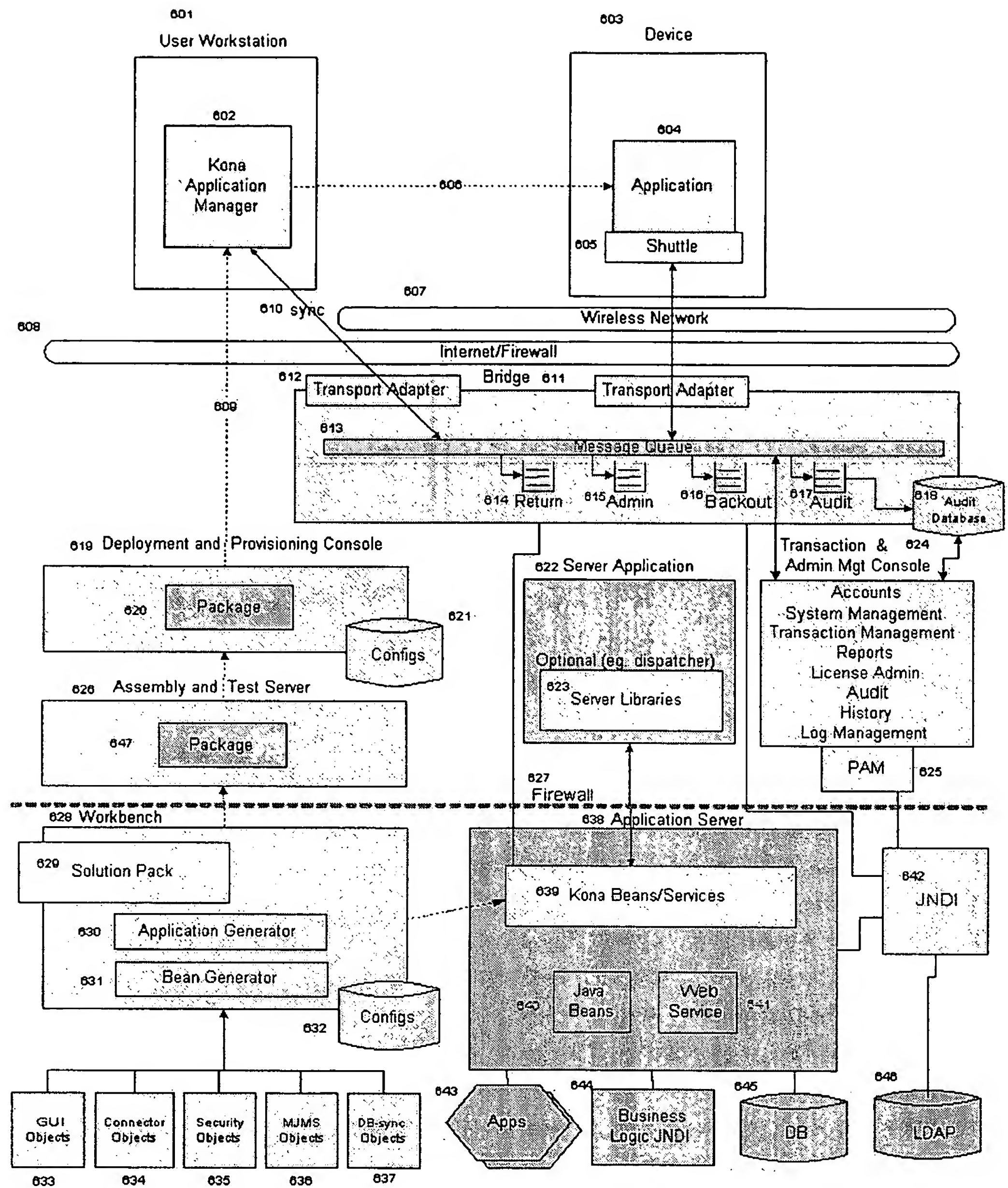
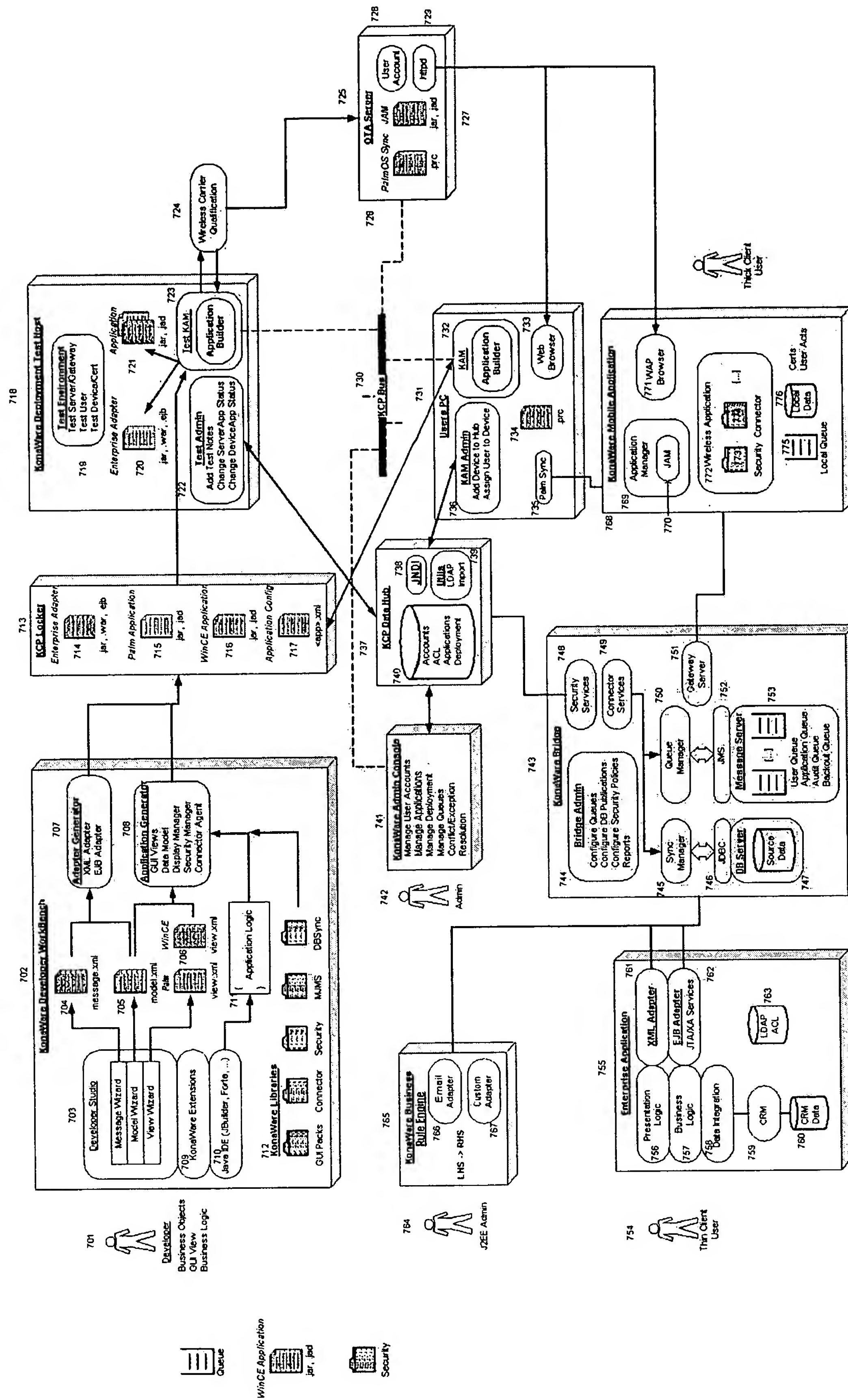


Fig 6



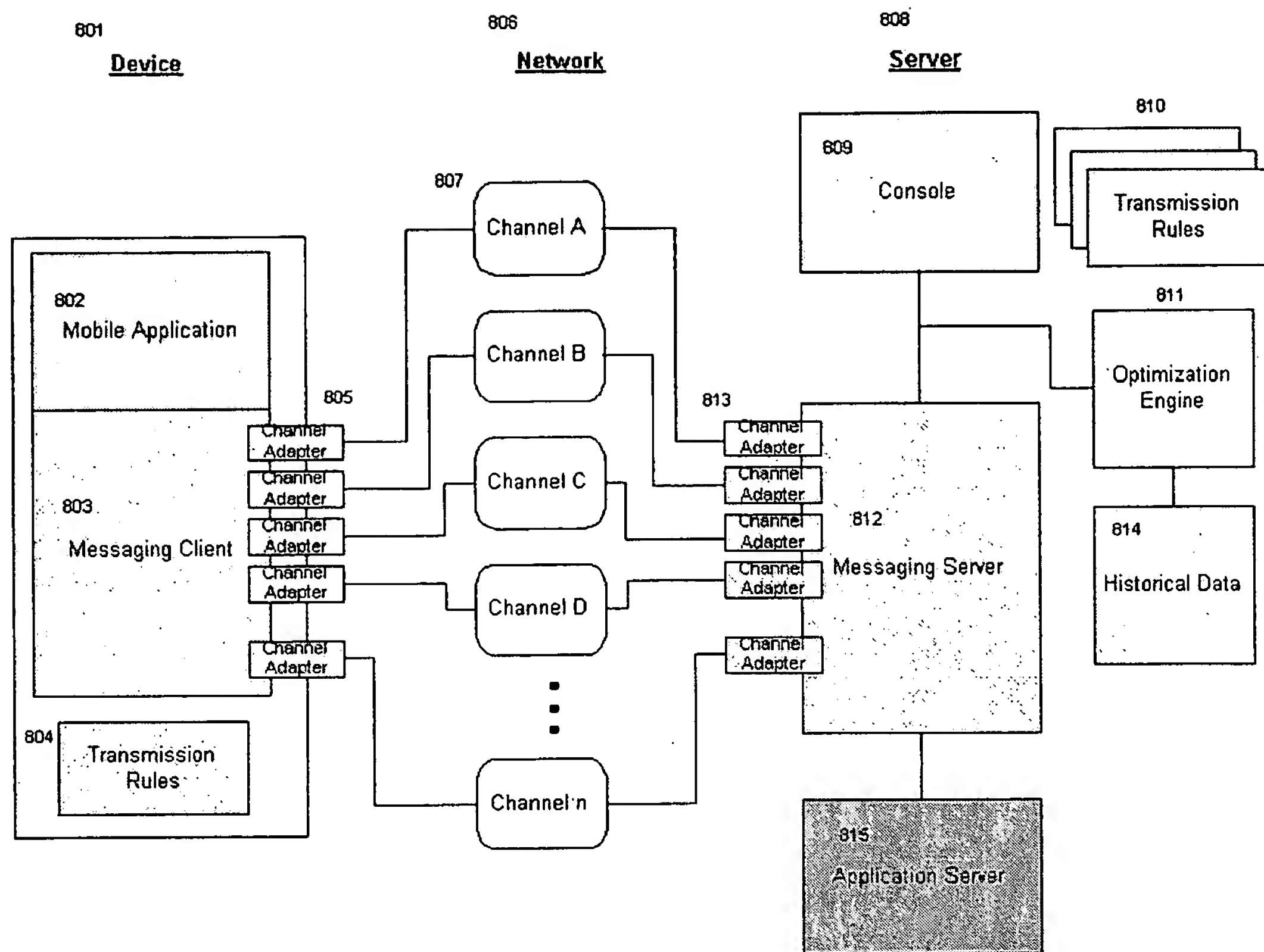


Fig.8

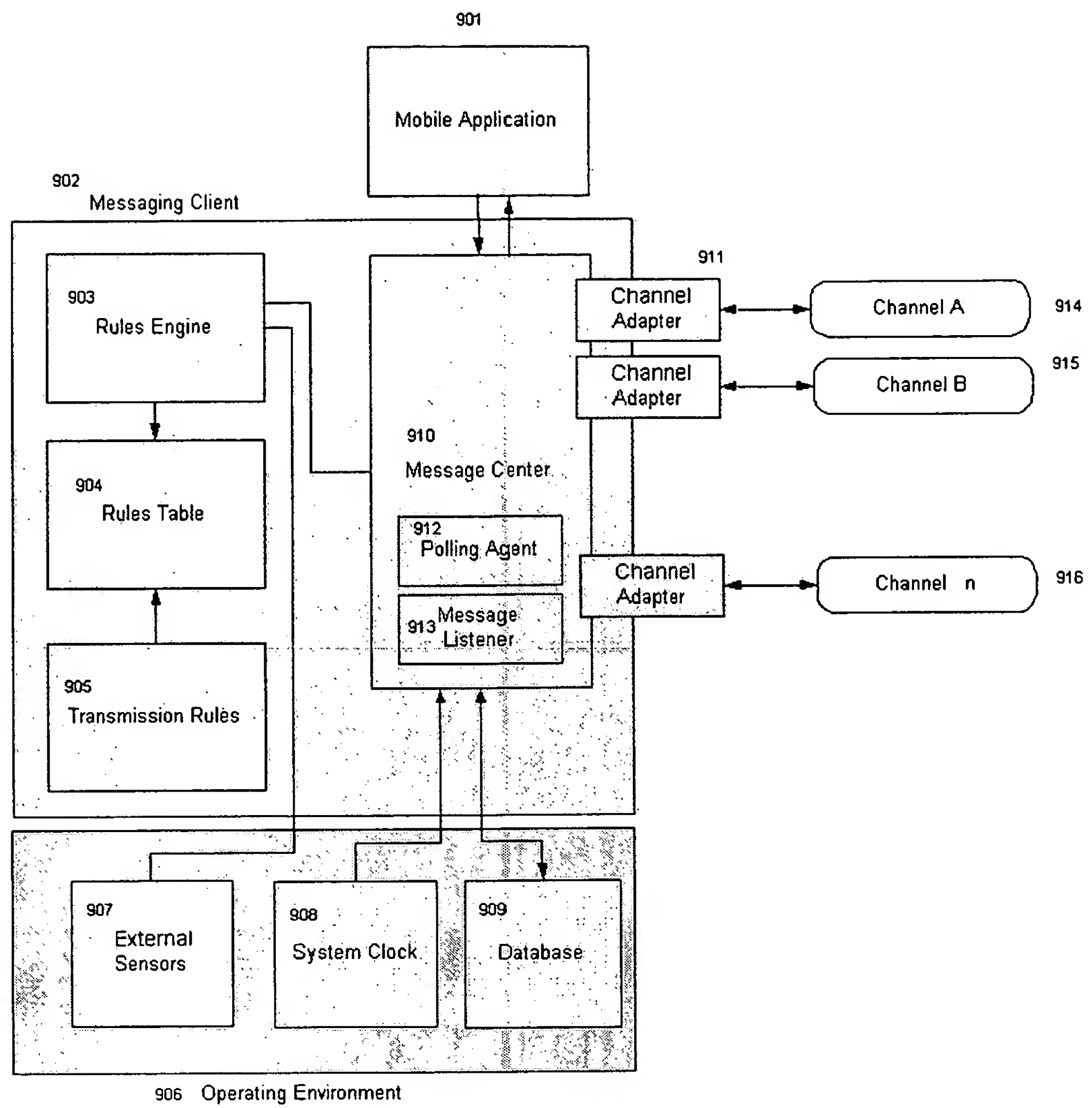


Fig 9

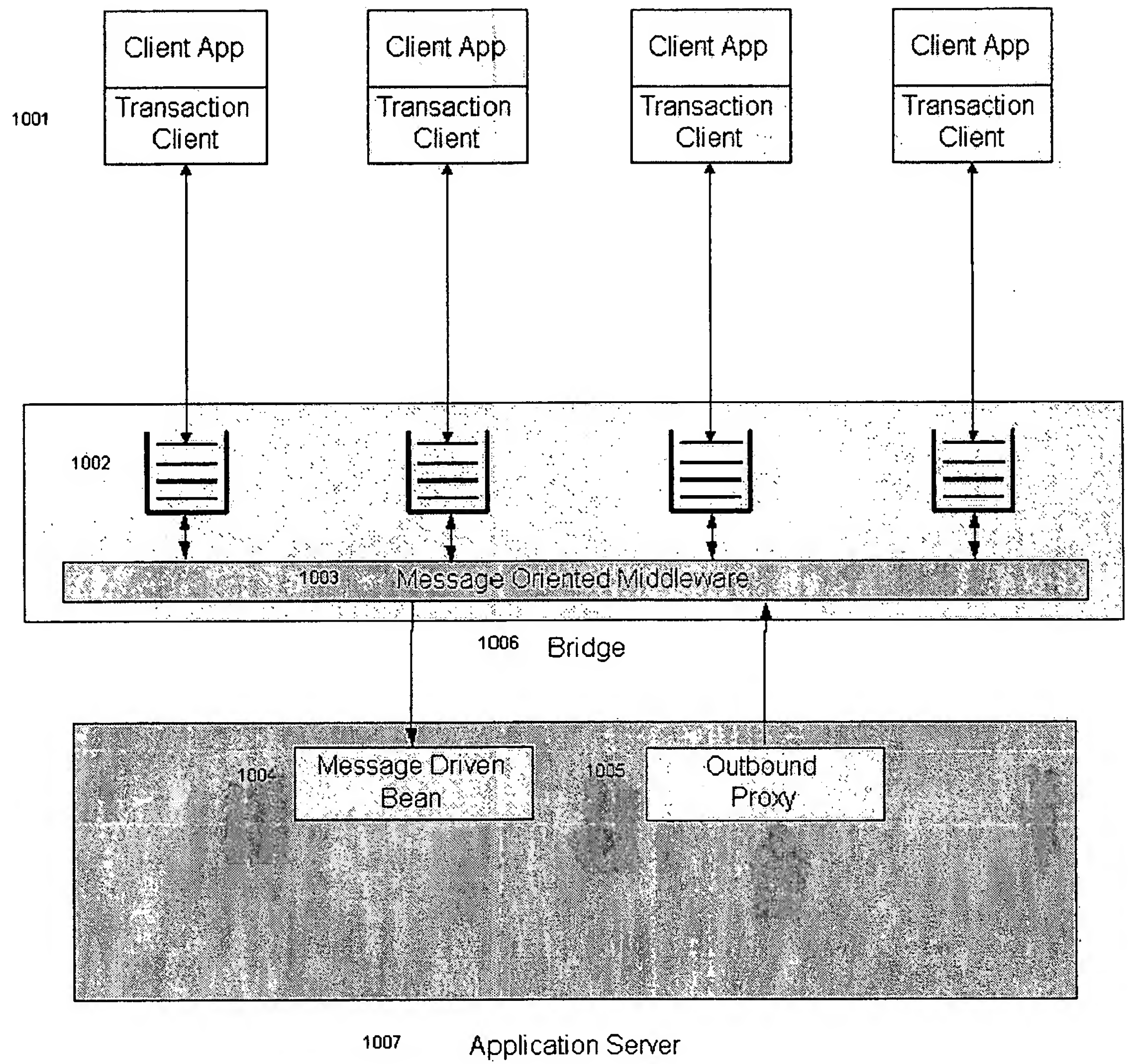


Fig 10

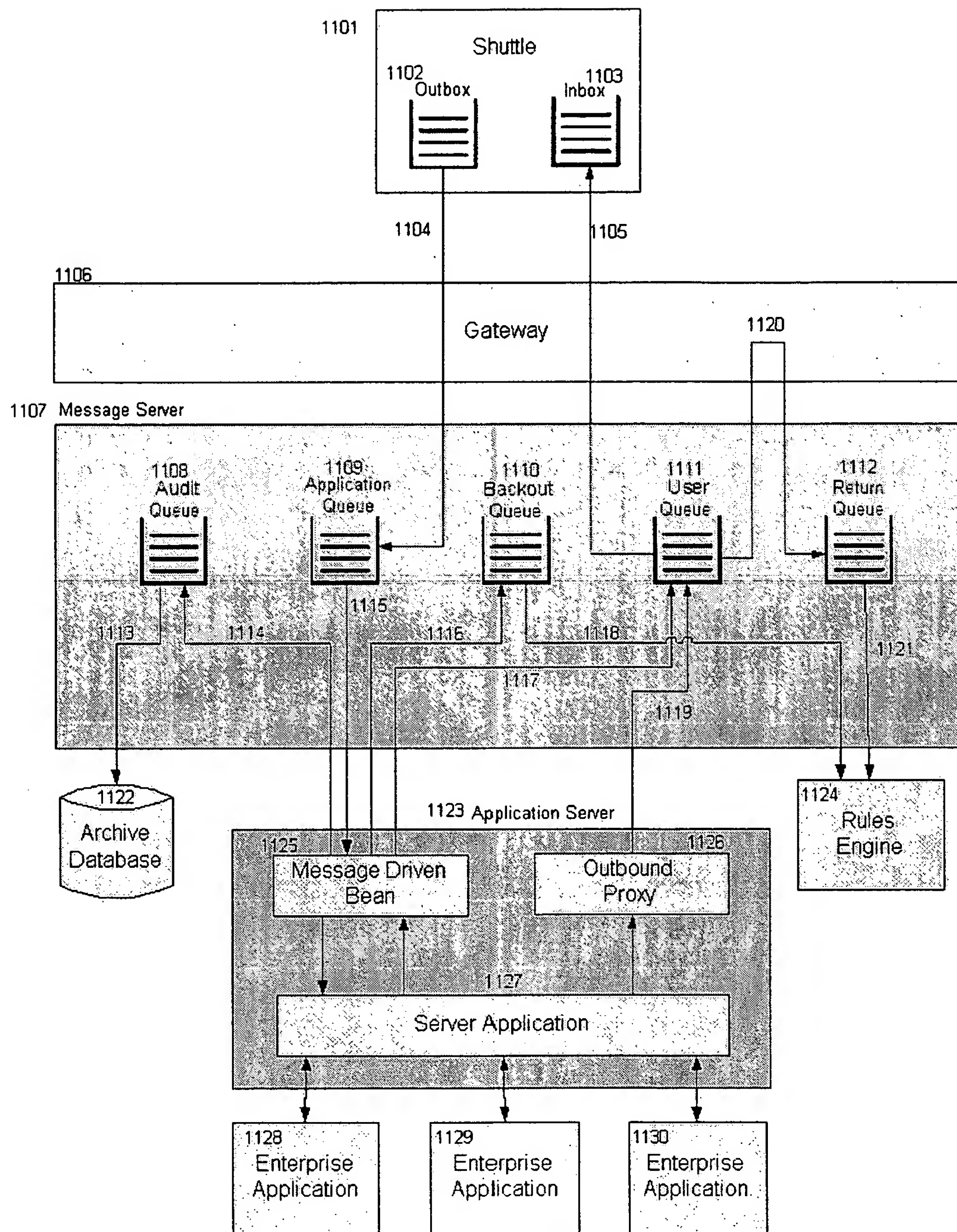


Fig 11

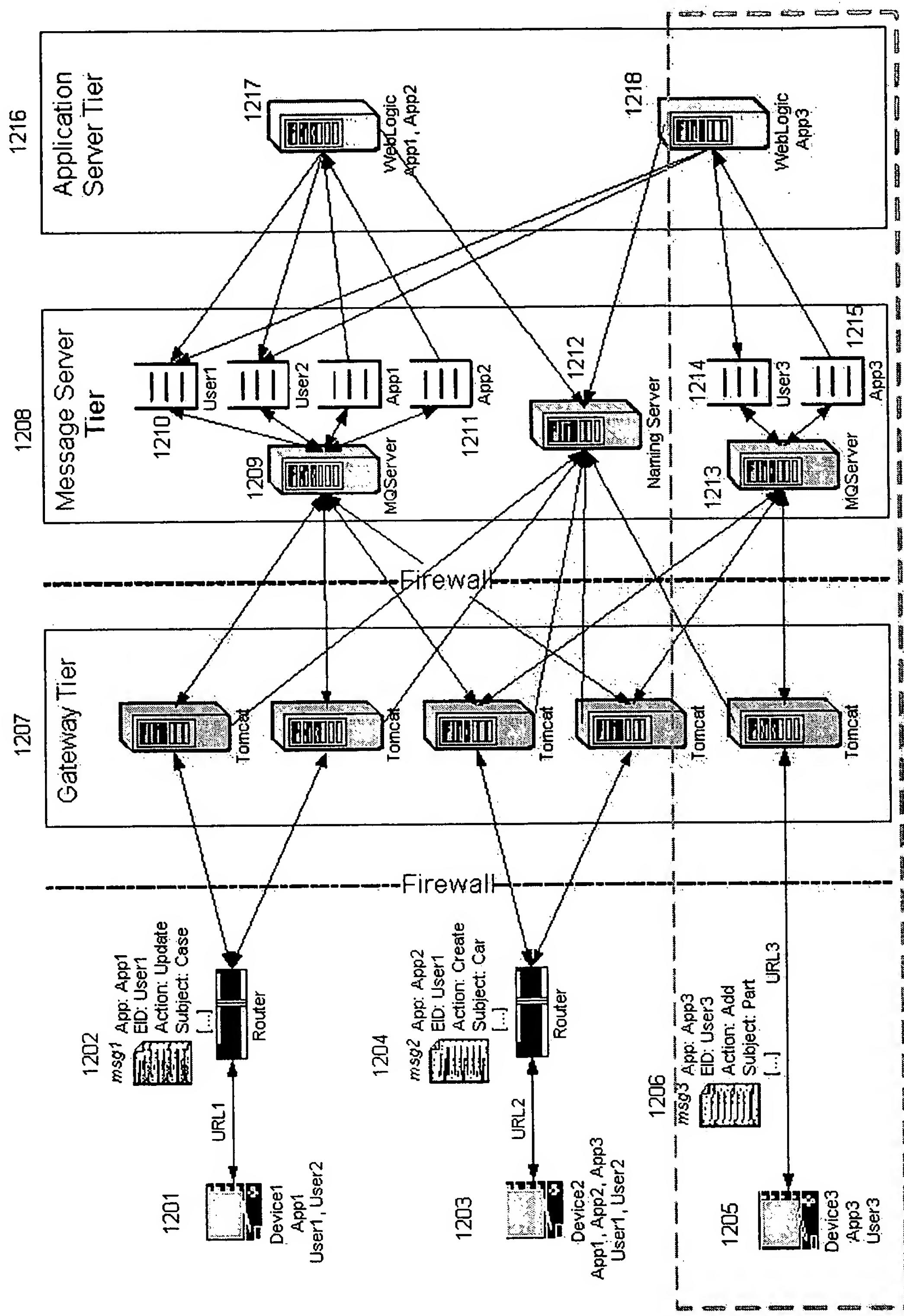


Fig 12

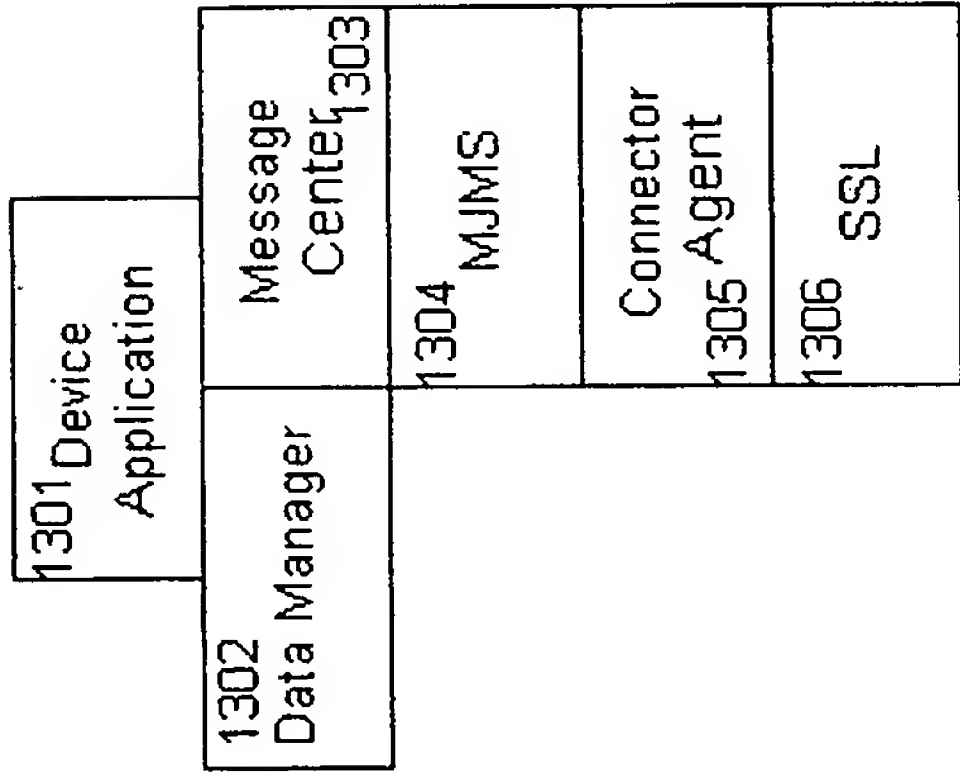


Fig 13(a)

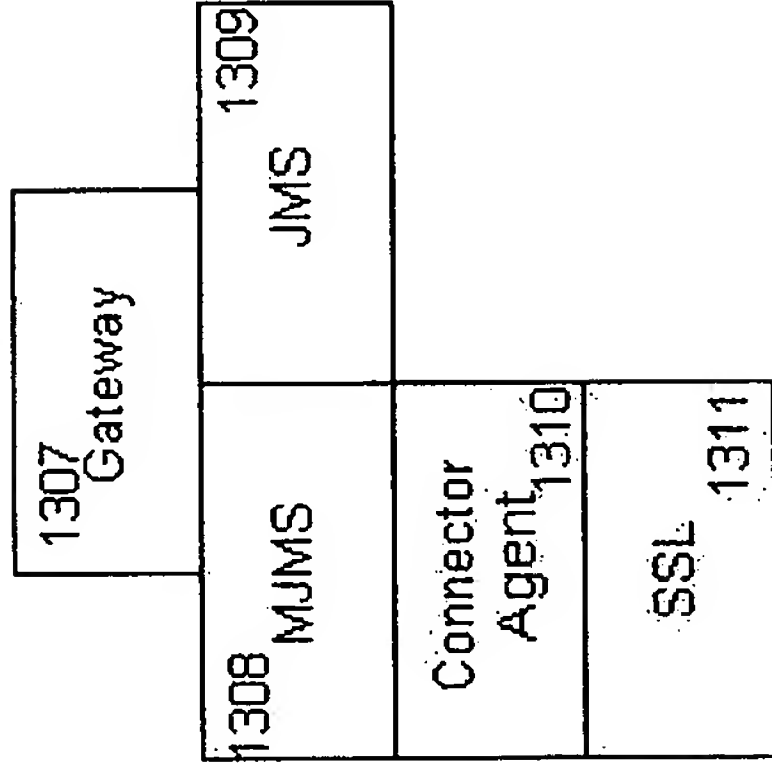


Fig 13(b)

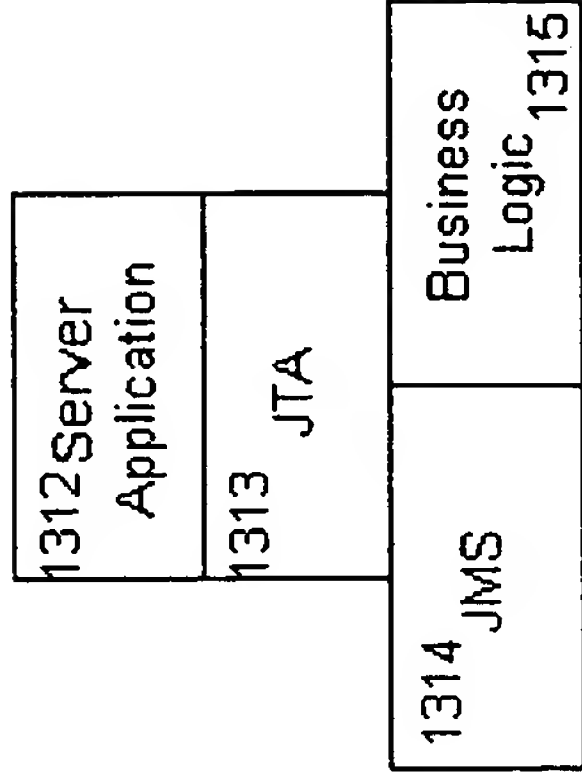


Fig 13(c)

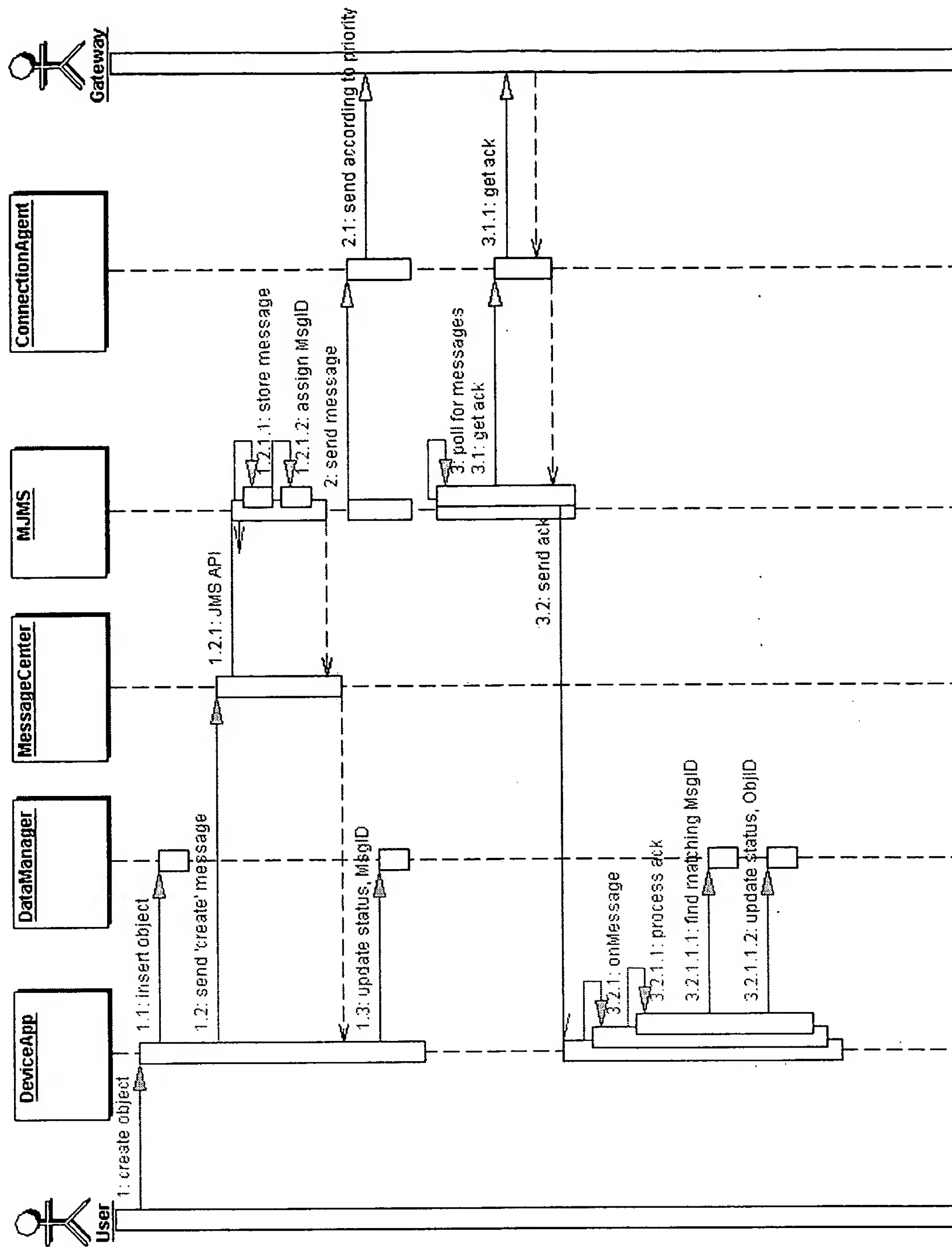


Fig 14

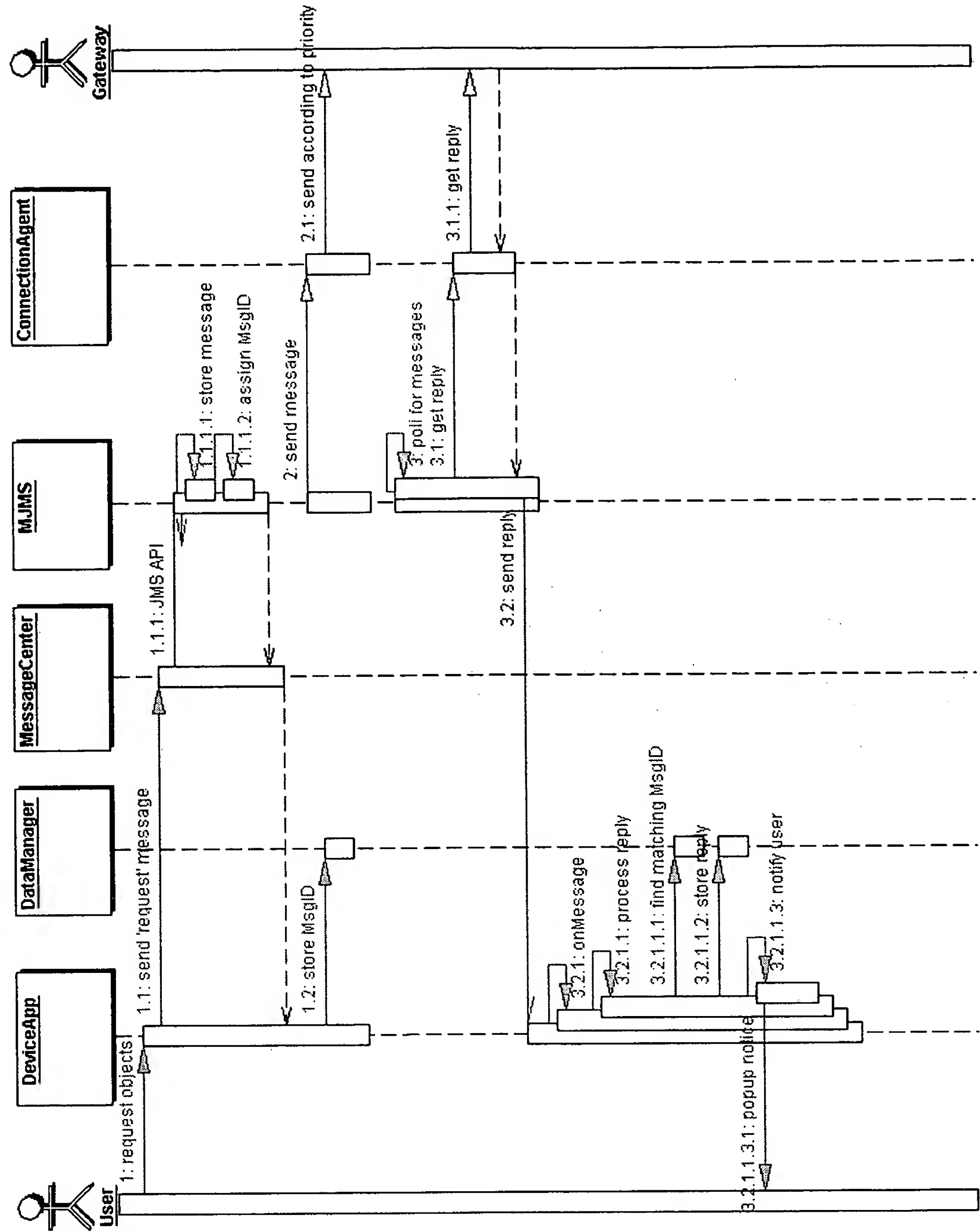


Fig 15

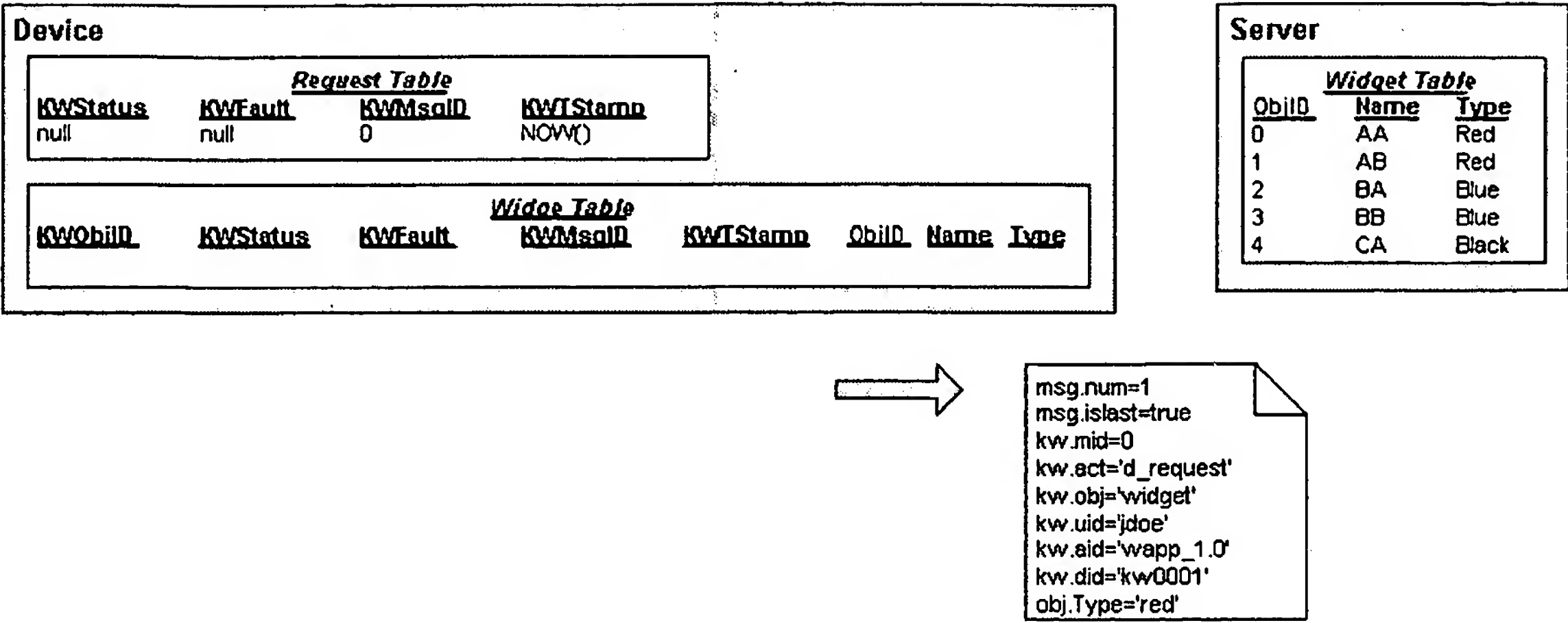


Fig 16

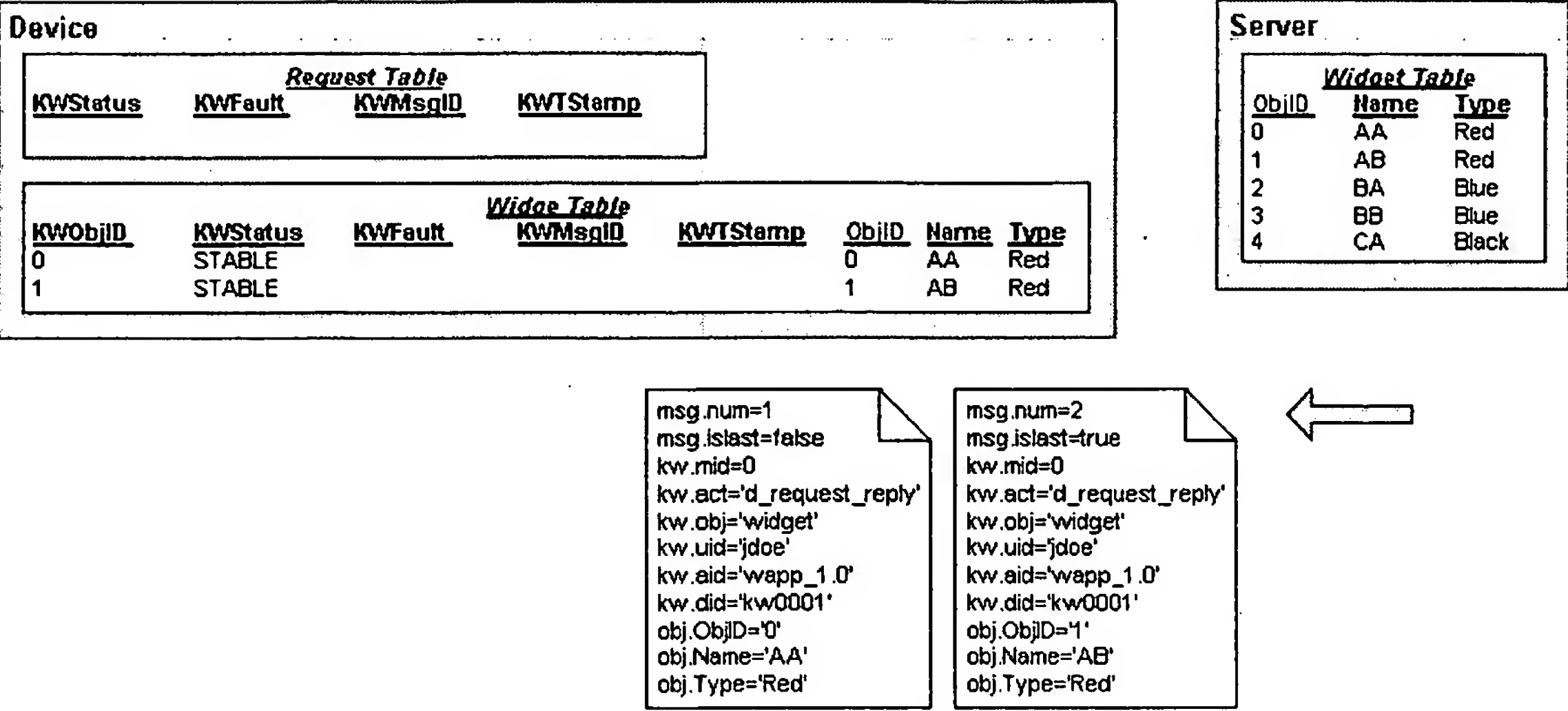


Fig 17

Device

<u>Request Table</u>			
<u>KWStatus</u>	<u>KWFault</u>	<u>KWMsgID</u>	<u>KWTStamp</u>

<u>Widget Table</u>							
<u>KWObjID</u>	<u>KWStatus</u>	<u>KWFault</u>	<u>KWMsgID</u>	<u>KWTStamp</u>	<u>ObjID</u>	<u>Name</u>	<u>Type</u>
0	STABLE				0	AA	Red
1	STABLE				1	AB	Red
2	PENDING_CREATE				-1	AC	Red

Server

<u>Widget Table</u>		
<u>ObjID</u>	<u>Name</u>	<u>Type</u>
0	AA	Red
1	AB	Red
2	BA	Blue
3	BB	Blue
4	CA	Black

Fig 18

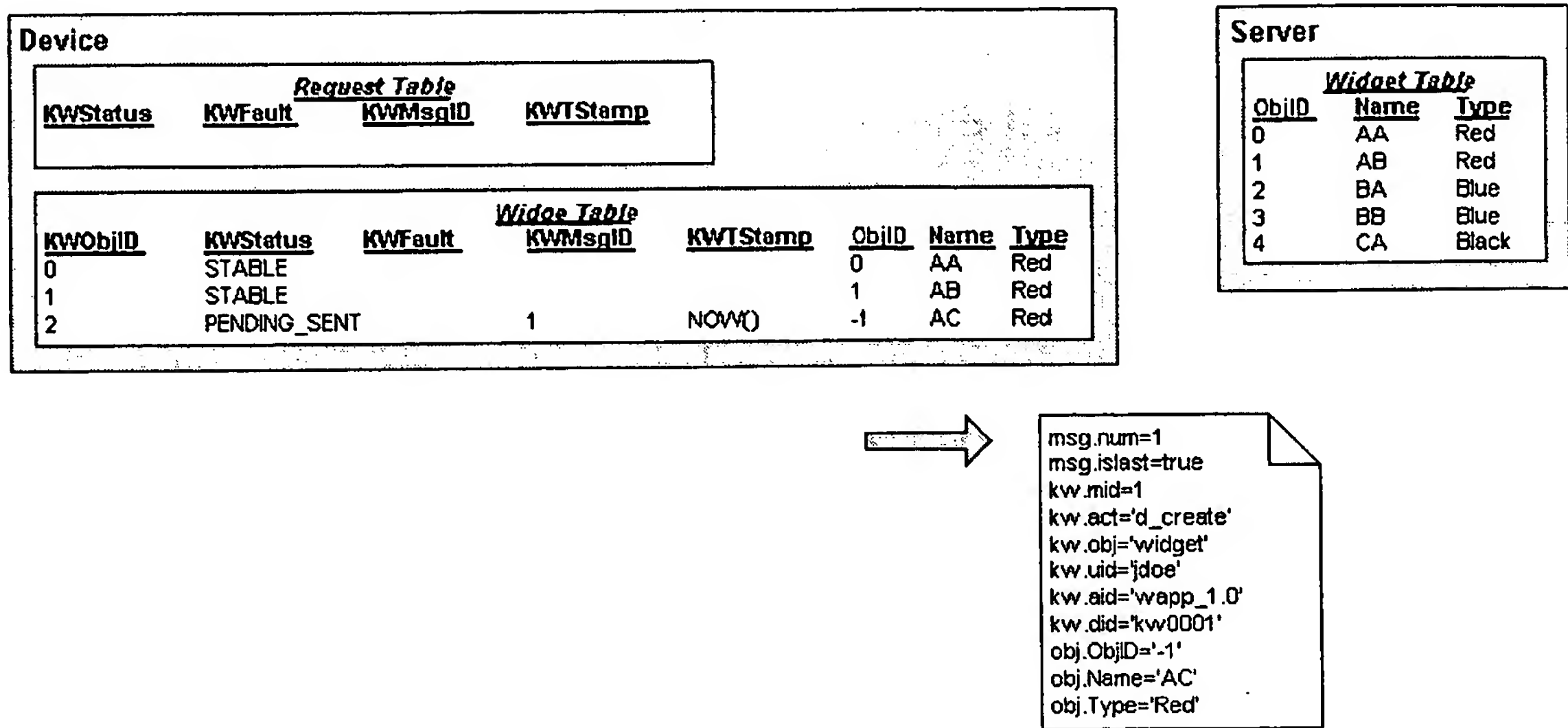


Fig 19

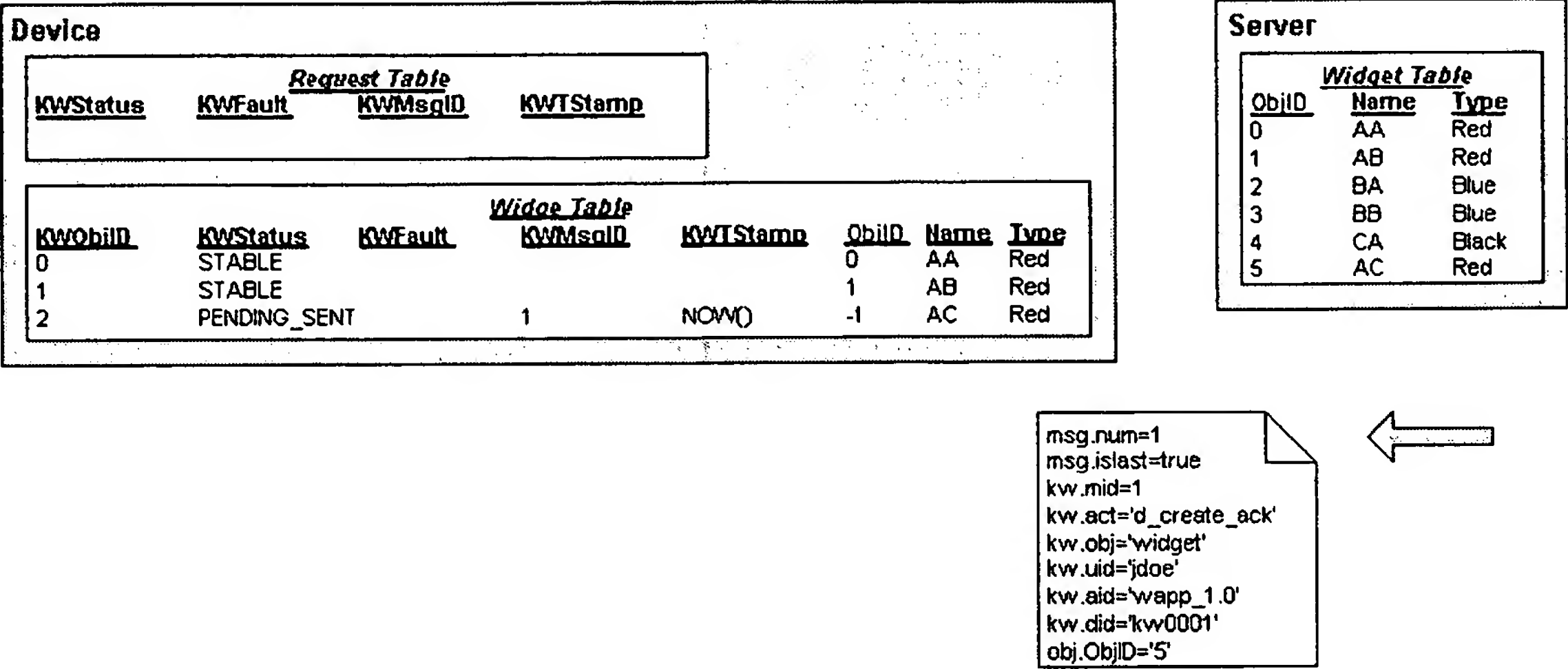


Fig 20

Device				
<u>Request Table</u>				
<u>KWStatus</u>	<u>KWFault</u>	<u>KWMsgID</u>	<u>KWTStamp</u>	
<u>Widget Table</u>				
<u>KWObjID</u>	<u>KWStatus</u>	<u>KWFault</u>	<u>KWMsgID</u>	<u>KWTStamp</u>
0	STABLE			
1	STABLE			
2	STABLE			

Server		
<u>Widget Table</u>		
<u>ObjID</u>	<u>Name</u>	<u>Type</u>
0	AA	Red
1	AB	Red
2	BA	Blue
3	BB	Blue
4	CA	Black
5	AC	Red

Fig 21

Device				
<i>Request Table</i>				
<u>KWStatus</u>	<u>KWFault</u>	<u>KWMsgID</u>	<u>KWTStamp</u>	
<u>KWObjID</u>	<u>KWStatus</u>	<u>KWFault</u>	<i>Widget Table</i> <u>KWMsgID</u>	<u>KWTStamp</u>
0	STABLE			
1	STABLE			
2	STABLE			

Server		
<i>Widget Table</i>		
<u>ObjID</u>	<u>Name</u>	<u>Type</u>
0	AA	Red
1	AB	Red
2	BA	Blue
3	BB	Blue
4	CA	Black
5	AC	Red
6	AD	Red

msg.num=1

msg.islast=true

kw.mid=s1

kw.act='s_create'

kw.obj='widget'

kw.uid='jdoe'

kw.aid='wapp_1.0'

kw.did=null

obj.ObjID='6'

obj.Name='AD'

obj.Type='Red'

←

Fig 22

Device

<u>Request Table</u>			
<u>KWStatus</u>	<u>KWFault</u>	<u>KWMsgID</u>	<u>KWTStamp</u>

<u>Widge Table</u>							
<u>KWObjID</u>	<u>KWStatus</u>	<u>KWFault</u>	<u>KWMsgID</u>	<u>KWTStamp</u>	<u>ObjID</u>	<u>Name</u>	<u>Type</u>
0	STABLE				0	AA	Red
1	STABLE				1	AB	Red
2	STABLE				5	AC	Red
3	STABLE				6	AD	Red

Server		
<u>Widget Table</u>		
<u>ObjID</u>	<u>Name</u>	<u>Type</u>
0	AA	Red
1	AB	Red
2	BA	Blue
3	BB	Blue
4	CA	Black
5	AC	Red
6	AD	Red

Fig 23

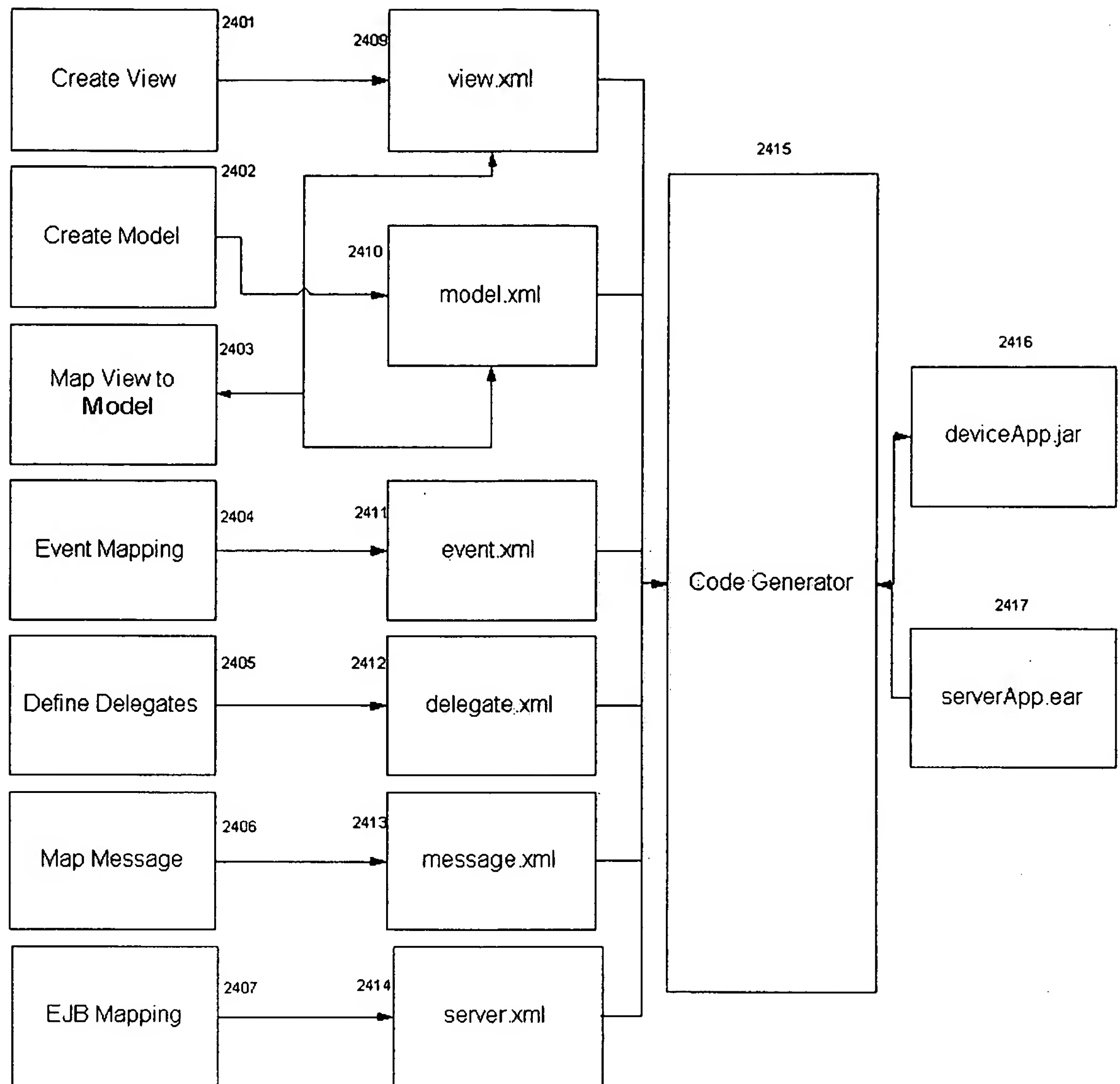


Fig 24

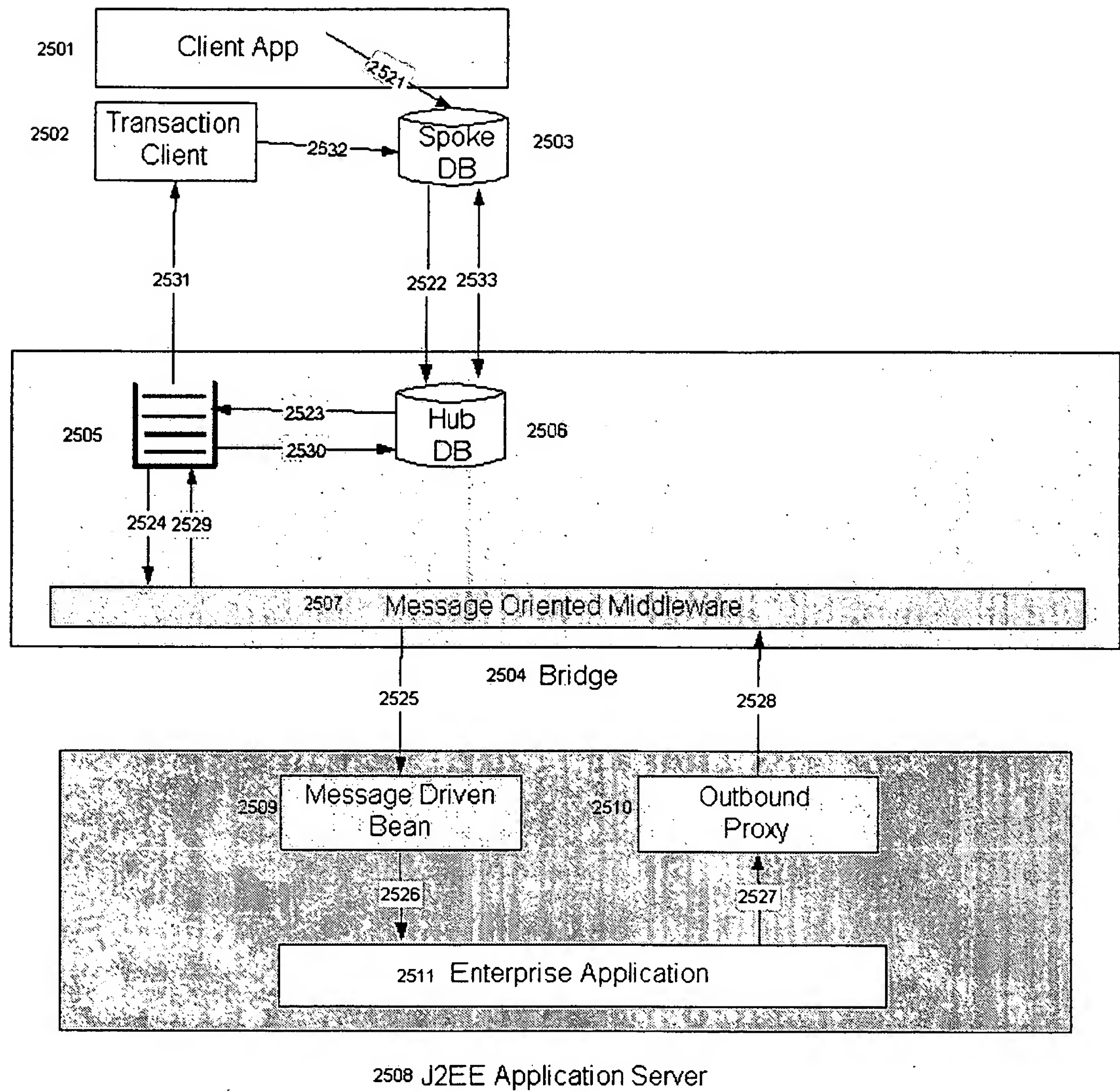


Fig 25

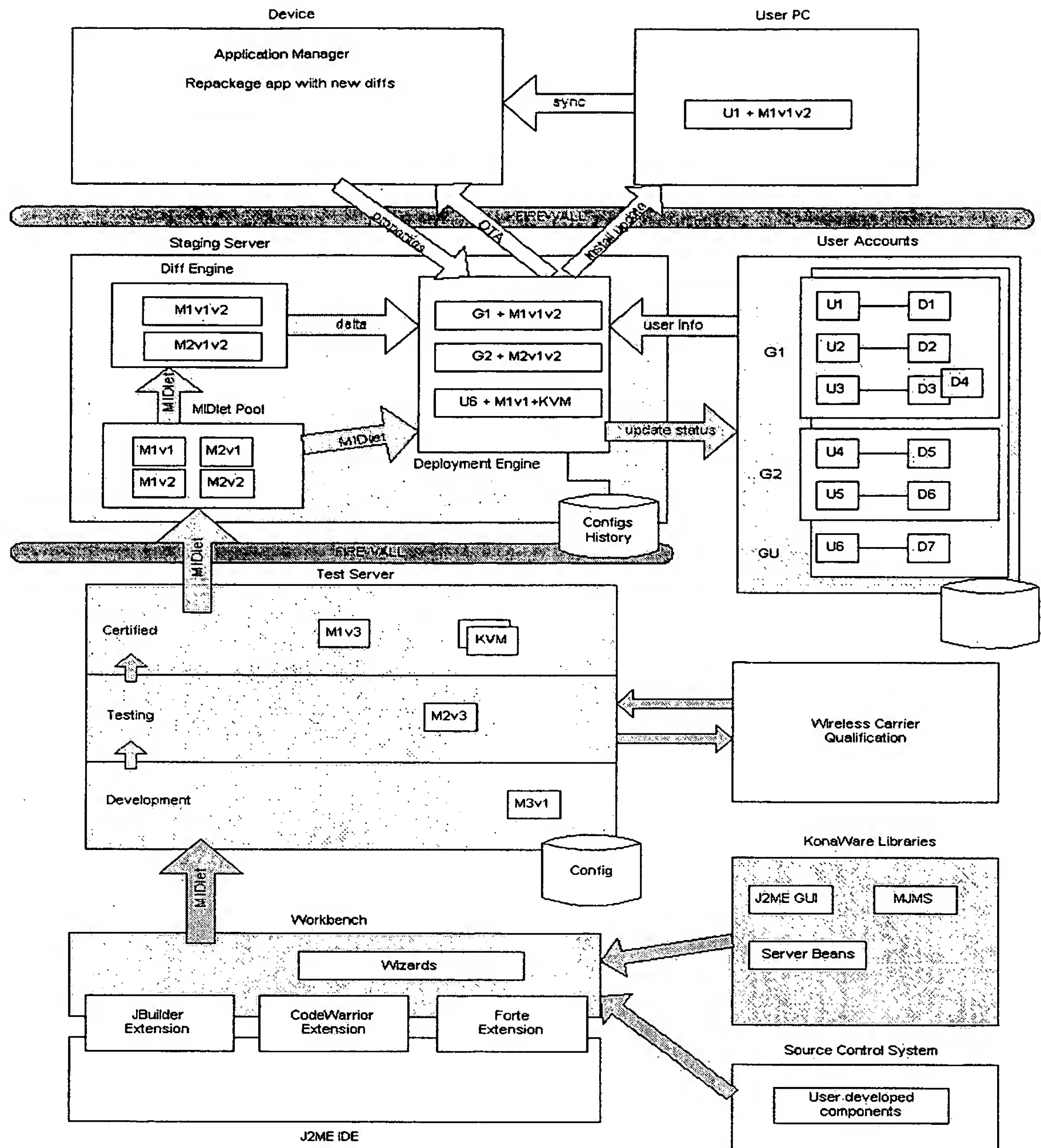


Fig 26

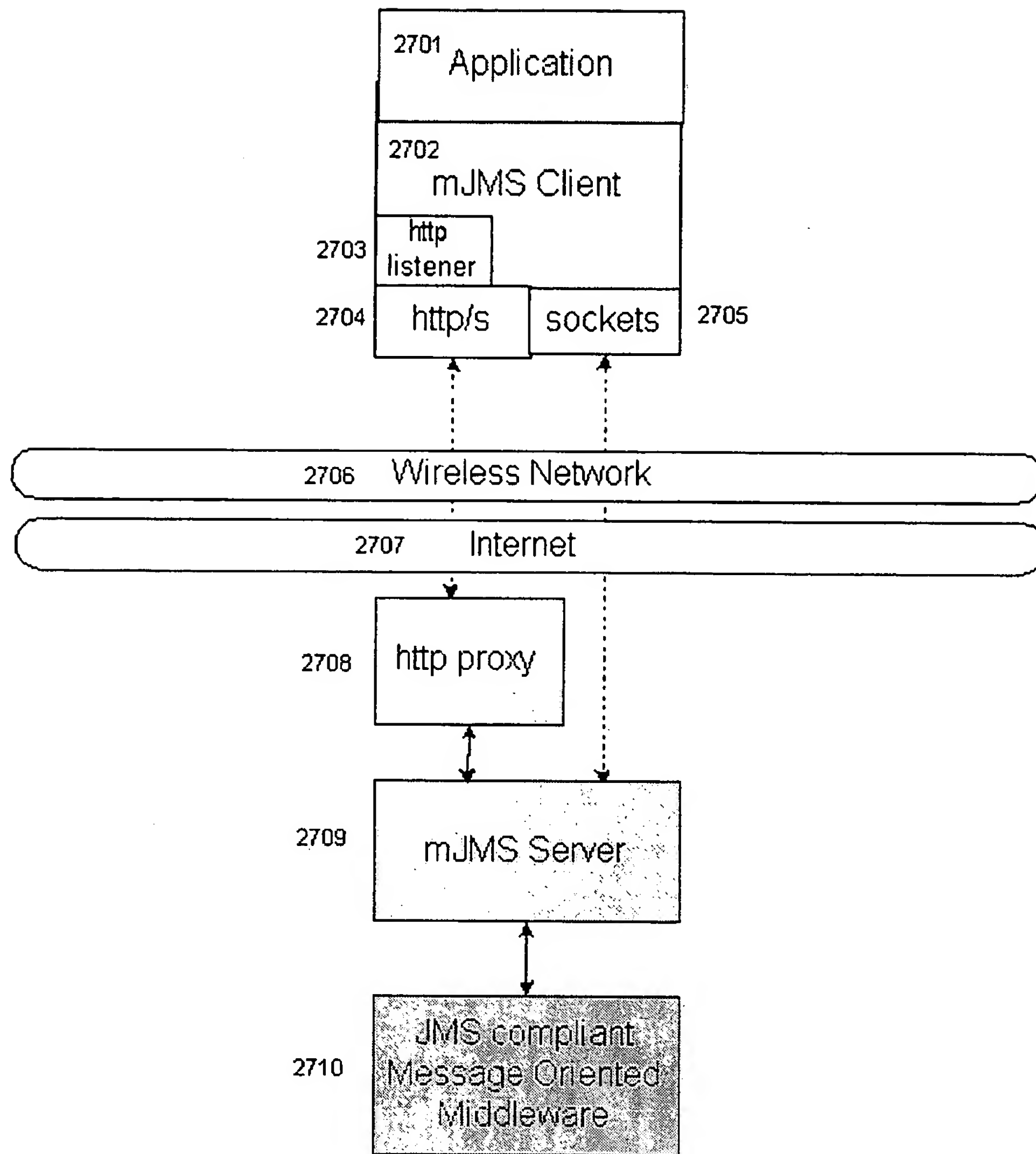


Fig 27